

AMENDMENTS TO THE SPECIFICATION:

1. Please amend the paragraph at page 12, lines 16-21, as follows:

- a traffic matrix of a known type, whose elements indicate the expected traffic for each terrain element (pixel) making up a single cell, and for each service supplied by the multi-service mobile telephone network, defined for example on the basis of one of the approaches described in ~~WO/35872~~ WO 02/35872.

2. Please amend the paragraph at page 57, lines 19-24, as follows:

The first event-based micro-simulation 201 then proceeds with the processing of a first power control event 220a, continuing with the check of the power convergence condition and the collection and processing 220b of first statistical results 209 relating to the n1 mobile terminals.

3. Please amend the paragraph beginning from page 57, line 25 to page 58, line 1, as follows:

The simulation algorithm 200 then processes a second admission control event ~~206~~ 204, in which n2 mobile terminals (second traffic scenario) are distributed in the simulation scenario, corresponding to n2 UE_MC objects 12, divided if necessary into groups belonging to different services. The n2 groups mobile terminals are added to the n1 mobile terminals distributed previously.

4. Please amend the paragraph at page 58, lines 2-7, as follows:

The first event-based micro-simulation 201 then proceeds with the processing of a second power control event 221a, continuing with the check of the power convergence condition

and the collection and processing 221b of second statistical results 210 relating to $n1+n2$ users.

5. Please amend the paragraph at page 58, lines 12-30, as follows:

specifically, the second event-based micro-simulation 202 comprises: a step of initialization of the micro-simulation 211; the processing of a first admission control event 205, in which $n1$ mobile terminals (first traffic scenario) are distributed in the simulation scenario, corresponding to $n1$ UE_MC objects 12, divided if necessary into groups belonging to different services; the processing of a first power control event 222a; the checking of the power convergence condition; the collection and processing 222b of first statistical results 212 relating to the $n1$ users; and the processing of a second admission control event 206, in which $n2$ mobile terminals are 25 distributed in the simulation scenario, corresponding to $n2$ UE_MC objects 12, divided if necessary into groups belonging to different services. The $n2$ mobile terminals are added to the $n1$ mobile terminals distributed previously, thus forming a second traffic scenario consisting of $n1+n2$ users.

6. Please amend the paragraph beginning from page 58, line 31 to page 59, line 5, as follows:

The second event-based micro-simulation 202 then proceeds with the processing of a second power control event 223a, the checking of the power convergence condition, and the collection and processing 223b of second statistical results 213 relating to $n1+n2$ users.